

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Feussner et al.

Art Unit: Unassigned

Application No. Unassigned  
(U.S. National Phase of PCT/EP00/02545)

Examiner: Unassigned

Filed: September 28, 2001

For: LINOLEATE- AND LINOLENATE-  
LIPOXYGENASE MUTANTS

PRELIMINARY AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Prior to the examination of the above-identified patent application, please enter the following amendments and consider the following remarks.

AMENDMENTS

IN THE CLAIMS:

Please cancel claims 1-14.

Add the following new claims:

15. (New) A method of making a plant lipoxygenase with altered position specificity, which method comprises substituting one or more amino acids in a wild-type plant lipoxygenase, whereupon a plant lipoxygenase with altered position specificity is obtained.

16. (New) The method according to claim 15, in which the lipoxygenase is from *Cucumis sativus* and the one or more amino acids are in the region of amino acid position 527 to 536 and/or 593 to 602 of the lipoxygenase or the lipoxygenase is from another variety of plant and the one or more amino acids are in the region of the lipoxygenase corresponding to amino acid position 527 to 536 and/or 593 to 602 of the lipoxygenase from *Cucumis sativus*.